

Information Technology Initiatives in Drug Registration Submissions

Case Study: Exelon™

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Why E-submission?

- ◆ Exelon™ Cholinesterase Inhibitor for the Treatment of Alzheimer's Disease
- ◆ Size and complexity
 - ~3600 Pats, ~500 Vol, ~600 Vol CRFs in US & UK
 - Reports authored in US, UK, Switzerland
- ◆ Had developed a good concept ESs
- ◆ Goal to remain among the leaders, and file one E-format worldwide

Difficulties/Solutions

- ◆ No Elec. doc. mgt. and pub. system
 - Centralize preparation
- ◆ No extra time for E version(s); different formats in Europe, US and Canada
 - Negotiate with agencies
- ◆ Limited in-house expert resources
 - Outsource to able and reliable parties
 - Merger: a difficulty but also helpful
- ◆ Last minute changes: no solution? Just do it!

Agency Help: CDER + EU

- ◆ Proposals and test samples of CRFs, Reports and Data to FDA, **began April '96**
 - FDA - 11/25/96: PDF images, PDF, JMP datasets
 - Extensive links and bookmarks for easy browsing
- ◆ Agreements with other agencies
 - EMEA - 1/21/97: PDF (Part I)
 - AdM - 1/23/97: PDF (Part I+Clin), HW, 2 Wks
 - MPA - 1/21/97: PDF, (Part I+Clin) HW, 2 Wks
 - HPB - 2/13/97: PDF, HW, 4 Wks

Lessons Learned

- ◆ Plan and begin early: 12-15 months
- ◆ Be innovative: but stay within standards
- ◆ Be flexible: negotiate, negotiate, negotiate
- ◆ Lay your cards on table; discuss your limitations: get reviewers' attention
- ◆ Collaborate with agencies: keep promises

Do it again? Benefits?

- ◆ Yes
- ◆ Save time and money
- ◆ Facilitate dev and review in-house
- ◆ Facilitate communications (Q&A)
- ◆ Increase IT capability
- ◆ Moving to paperless environments
- ◆ Necessary and the Right thing to do!
Year 2002!!

Think Key Elements Not TOC

- ◆ Text: Word/ WordPerfect Documents: PDF
 - Legacy reports: PDF Images
- ◆ Listings and tabulations: PDF
- ◆ Data: raw/derived data: open
 - Table of dataset names: links to data files
- ◆ CRFs/CRTs and Graphics: PDF Images
- ◆ Browsing: Extensive Hyperlinks and bookmarks

Conversion Dossier

